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INFORMATION REPORT INFORMATION REPORT

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CENTRAL INTELLIGENCE AGENCY

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COUNTRY Yugoslavia

REPORT

SUBJECT Picture-Tube Production at "Tez" Incandescent Lamp Factory (production data, difficulties)

DATE DISTR. 18 DEC 1962

NO. PAGES 1

REFERENCES RD

DATE OF INFO.

PLACE & DATE ACQ.

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THIS IS UNEVALUATED INFORMATION. SOURCE GRADINGS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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1. The Yugoslav incandescent-lamp plant "Tez", which is located in Zagreb, produces television picture tubes with screen diagonals of 43, 49, 53, and 59 cm.

2. Despite considerable initial difficulties, the plant's present annual production is up at 10,000 59-cm picture tubes. This is due to the country's bad foreign exchange position. The foreign exchange appropriated for imports of picture tubes has decreased more and more, and the plants for television equipment could not make the necessary imports. Whether they liked it or not, they had to take "Tez" tubes, although they knew that these tubes were not free of deficiencies and seldom reached their guaranteed life.

3. The "Tez" engineers, in contrast to the tube customers, are very optimistic and fully convinced that the initial difficulties encountered in picture-tube production will soon be overcome, and a product without excessive variation from rated performance data will be achieved.

4. The plant does not want to give up its present production system, in which electrode systems, glass bulbs, tube necks, and screen carrier plates are bought from abroad (80 percent from the U.S.), the reason being that less foreign exchange would be necessary than for imports of complete picture tubes from European countries. In order to further enlarge the present production, "Tez" wants to increase the number of vacuum pumps before the end of this year. Due to high investment costs, conveyer-line production is neither possible nor planned.

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5. a copy of a brochure published by the "Tez" plant. 50X1-HUM

5
4
3
2
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STATE	#	x	ARMY	#	x	NAVY	#	x	AIR	#	x	NSA	x			x	DIA	x	ATD	x

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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

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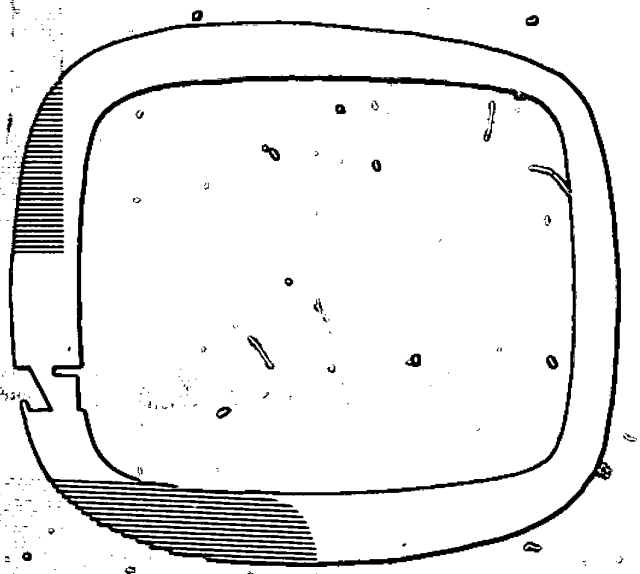
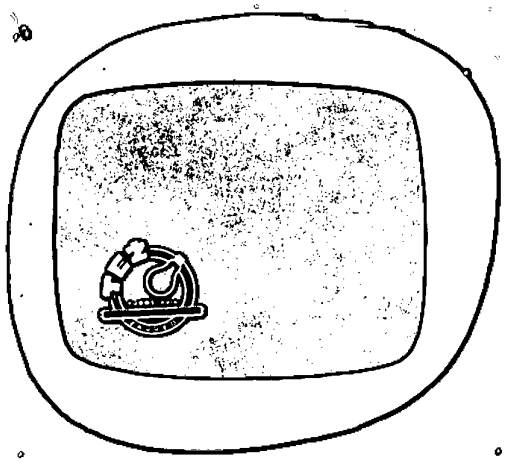
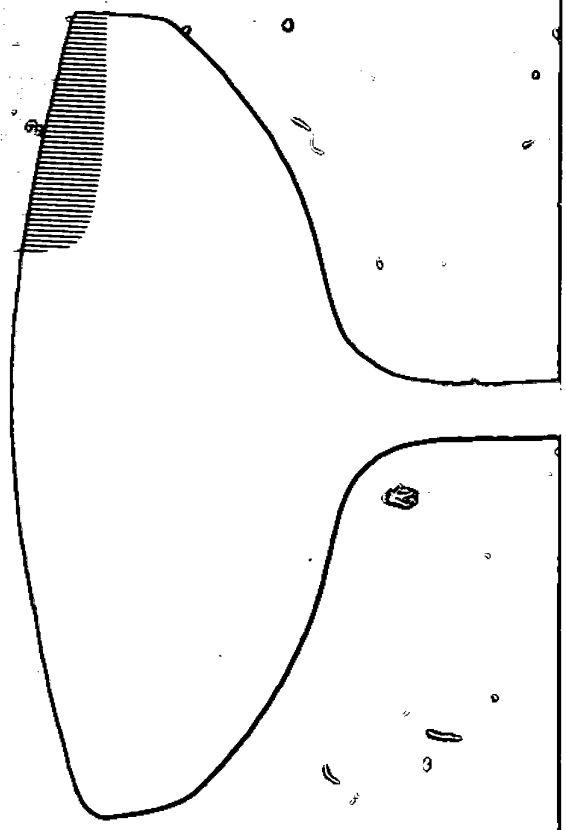
[redacted]

12

TV







TEZ

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TEŽ televizijske

TIP CIJEVI	Dijagonalni kut otklona	Čelo sferno			Ionska klopka	Fokusiranje		Napon fokusiranja	Struja fokusiranja	Kapacitet vanjskog vodljivog sloja prema anodi	Žarenje		Podnožje	
		Zaobljeno	Pravokutno	Aluminizirano		Magnetsko	Elektrostatsko	U_{g_1}	I_{fok}	min/max.	Napon	Struja		
								V	mA	pF	V	A		
MW 43-64	70°	●		●	●	●			85–105	750/1100	6,3	0,3	1	
MW 53-80	90°	●		●	●	●			90–110	1250/1750	6,3	0,3	1	
AW 43-80	90°	●		●	●		●	–50÷300		900/1400	6,3	0,3	2	
AW 53-80	90°	●		●	●		●	–50÷300		1250/1750	6,3	0,3	2	
AW 43-88	110°	●		●			●	0÷400		700/1500	6,3	0,3	3	
AW 49-90[2]	110°		●	●			●	0÷400		700/1500	6,3	0,3	3	
AW 53-88	110°	●		●			●	0÷400		1200/2500	6,3	0,3	3	
AW 59-90	110°		●	●			●	0÷400		1200/2500	6,3	0,3	3	

OZNAČAVANJE TV KATODNIH CIJEVI

Evropsko označavanje:
prvo slovo: M – magnetsko fokusiranje
A – elektrostastko fokusiranje
drugo slovo: W – crno-bijela TV
Prva grupa brojeva: dijagonala čela u cm
druga grupa brojeva: oznaka serije

Američko označavanje:
prva grupa brojeva: dijagonala čela u "
P 4: crno-bijela TV
ostala slova: ispred i iza P 4
označuju izvedbu cijevi

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katodne cijevi

	Radni podaci			Dimenzije cijevi				Dimenzije ekrana		Težina cijevi	Zbirno pakovanje		TIP CIJEVI
	Anodni napon	Napon ubrzavanja	Zaporni prednapon(1)	Visina max.	Dužina max.	Širina max.	Dijagonala	Visina min.	Širina min.		Kutija	Polet	
	Ua	Ug_2	$-Ug_1$	H	L	B	D	h	b				
	kV	V	V	mm				mm		kg	kom		
	14	300	40÷86	314	495	394	422	273	362	8,2	12	36	MW 43-64
	14	300	40÷86	419	518	520	543	378	482	13	10	30	MW 53-80
	15	300	40÷80	315	407	394	422	273	362	6	15	45	AW 43-80
	15	300	40÷80	419	492	518	543	378	482	13,5	10	30	AW 53-80
	16	300	35÷72	327	326	399	421	297	375	5,5	15	60	AW 43-88
	16	300	35÷72	364	310	420	471	305	384	6,5	15	60	AW 49-90(2)
	16	300	35÷72	419	380	518	543	381	485	11,5	10	40	AW 53-88
	16	300	35÷72	419	365	521	594	386	490	12	8	24	AW 59-90

(1) Prednapon Ug_1 na kontrolnoj rešetci kod kojeg vizuelno iščezava fokusirani raster

(2) Neki evropski proizvođači označavaju ovu cijev: AW 47-91

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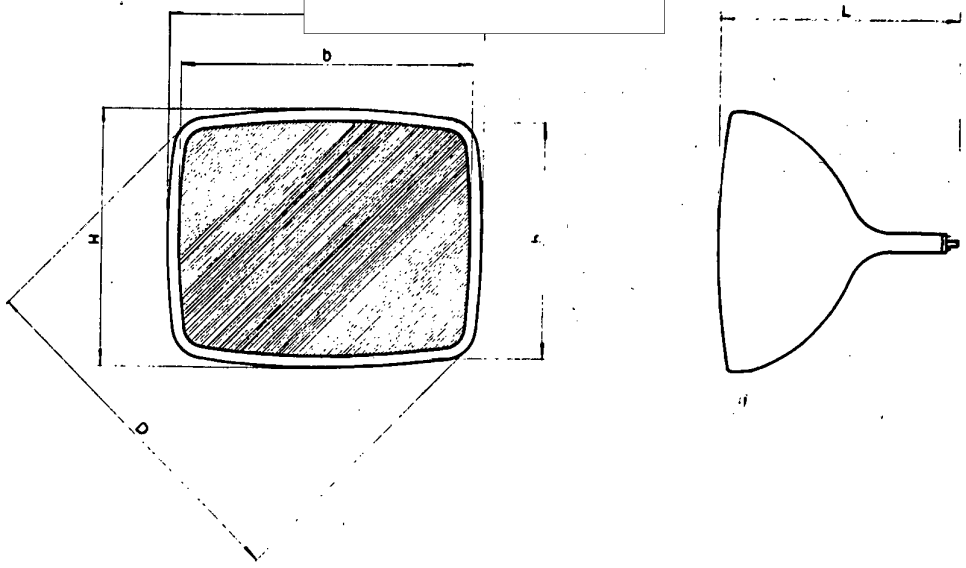
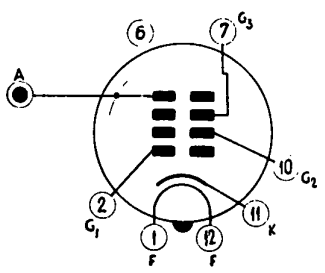
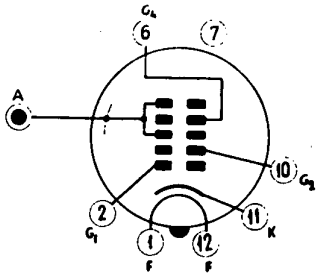
•tež• televizijske katodne cijevi

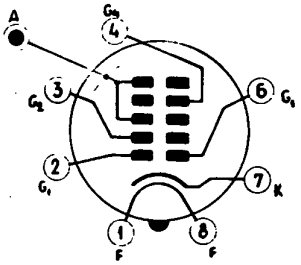




Podnožje 1:
Duodekal 7 nožica
(12 L)



Podnožje 2:
Duodekal 7 nožica
(12 L)



Podnožje 3:
Spezial 7 p
(8 H R)

TABELA EKVIVALENTNIH CIJEVI

EVROPSKA CIJEV	AMERIČKA CIJEV	EVROPSKA CIJEV	AMERIČKA CIJEV
MW 43–64	17 BP4A* 17 BP4B*	AW 43–88	17 CVP4 17 BZP4*
MW 53–80	21 AMP4A*	AW 49–90	19 AQP4 19 XP4*
AW 43–80	17 DJP4 17 AVP4A* 17 DCP4*	AW 53–88	21 DKP4 21 DAP4*
AW 53–80	21 DVP4 21 ATP4A* 21 DJP4*	AW 59–90	23 KP4/110/03 23 MP4/110/03 23 ARP4*

* Potrebne manje preinake na televizoru

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TEŽ Po 1/62 - 1000

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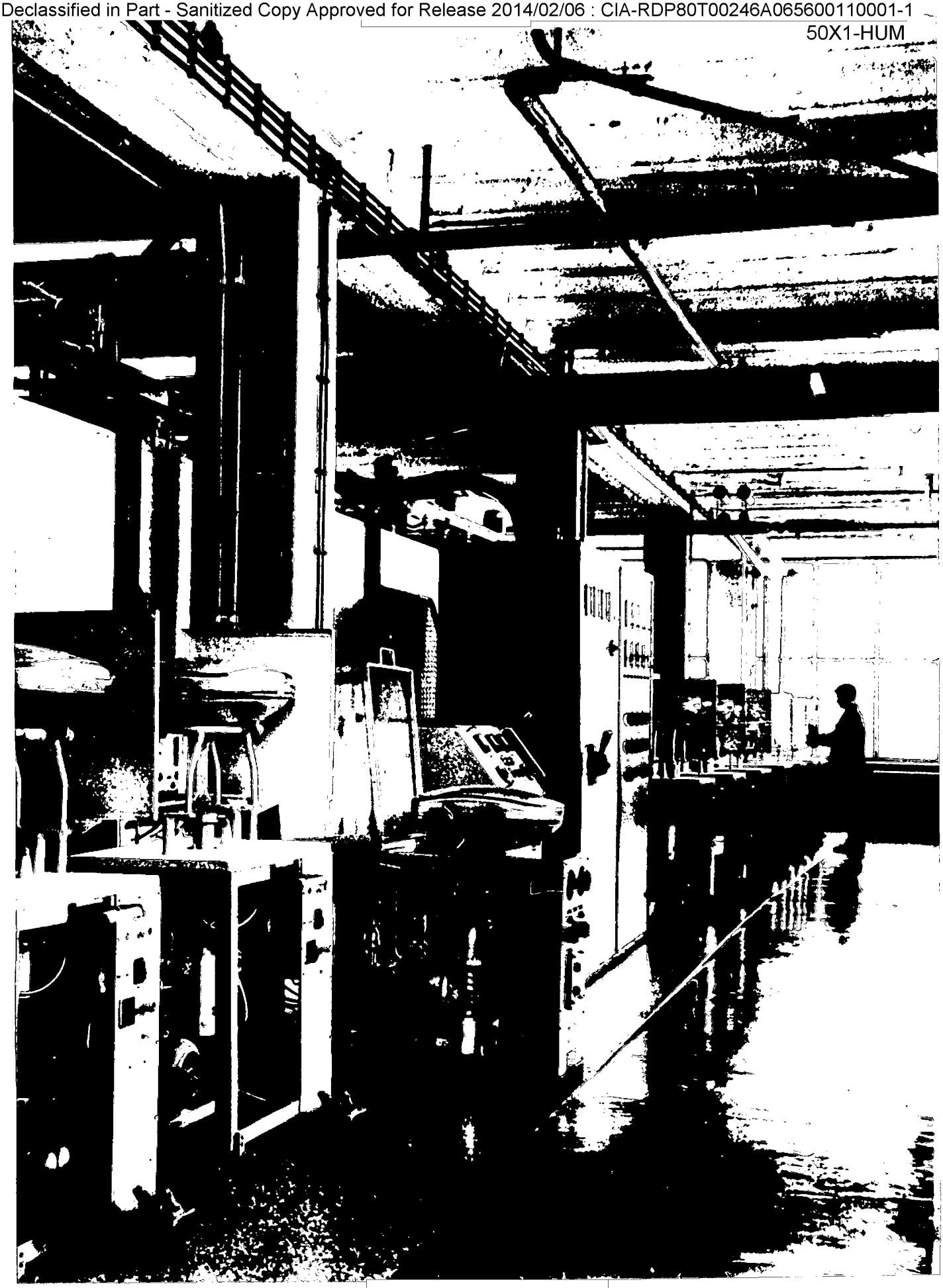

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Televizijska katodna
televizijskog lanca k
Ta cijev prima elek
jemnika, te ih pretvo
Ovaj prospekt obuhv
koji se nalaze u TE
Najmodernija proizv
tetnijih sirovina i po
kontrola svih faza
visoku kvalitetu i tr
ugodnu i prirodnu s
Konstruktori TV prij
obratiti bez oklijevan
najboljeg izbora, te
dinog tipa kinesko
spremno i rado od
sve ostale potrebne
Isto tako »TEŽ« može
TV katodne cijevi.

TEŽ

TVORNICA ELEKTRIČNI

ZAGREB – FOLNEGOVIĆEVA 10

Telefon: 52-300

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